M 5.3, 5 km SW of Burauen, Philippines

Origin Time: 2022-03-20 16:39:20 UTC (Mon 00:39:20 local)
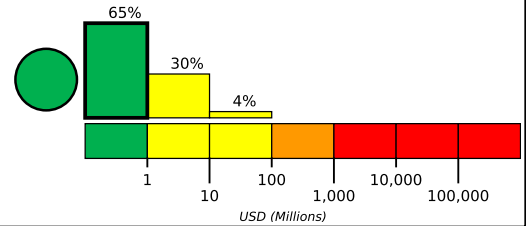Location: 10.9421° N 124.8617° E Depth: 10.0 km

PAGER
Version 5

Created: 1 week, 0 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.
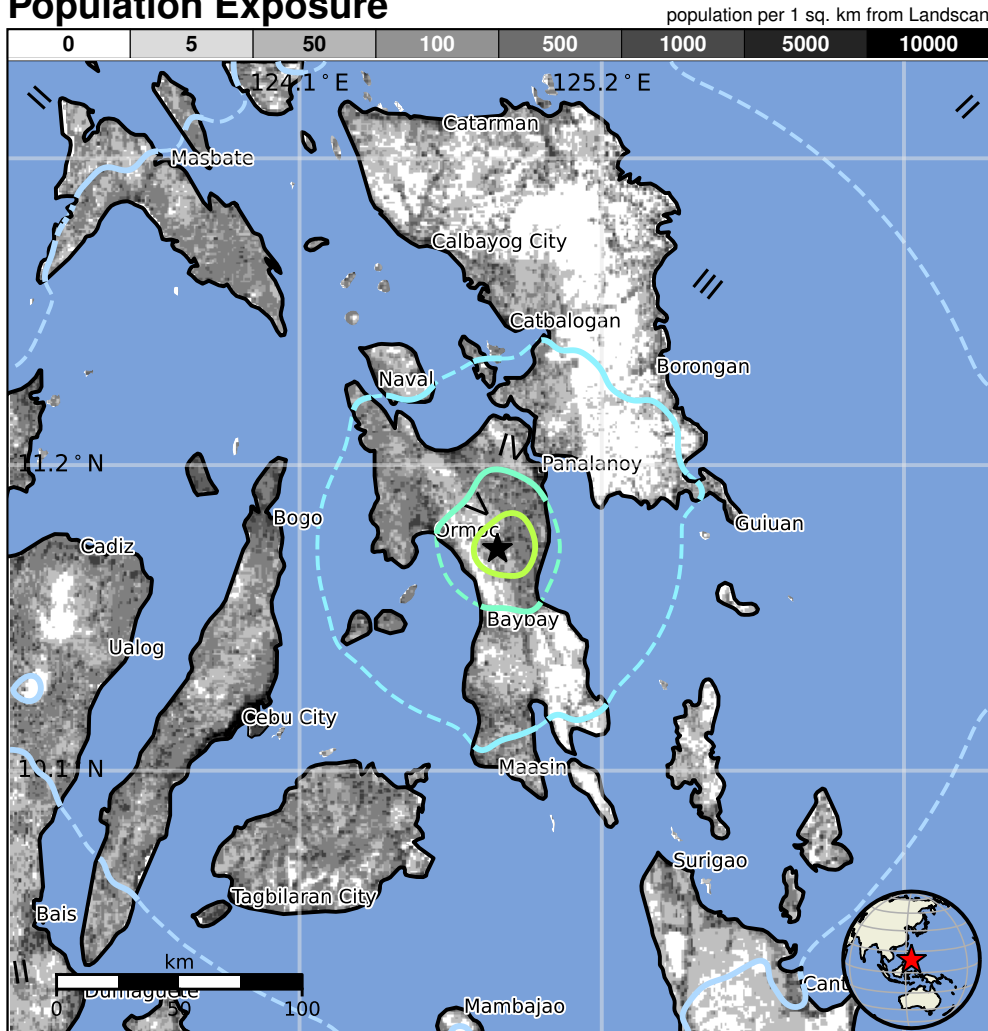
65% / 30% / 4%

1 10 100 1,000 10,000 100,000
Fatalities

Estimated Economic Losses

65% / 30% / 4%

1 10 100 1,000 10,000 100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	12,913k	2,551k	606k	211k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0 5 50 100 500 1000 5000 10000

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-15	54	4.8	VI(34k)	1
1987-05-23	331	5.7	VII(70k)	1
1973-03-17	353	7.5	VIII(6k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Burauen	14k
VI	San Pedro	4k
VI	Julita	3k
VI	La Paz	4k
VI	Dagami	4k
VI	Cabacungan	3k
IV	**Ormoc**	**191k**
IV	**Panalanoy**	**189k**
III	Mandaue City	331k
III	Lapu-Lapu City	350k
III	**Cebu City**	**799k**

bold cities appear on map. (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.
Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us6000h67d#pager

Event ID: us6000h67d